

ART 1/2 MAINTENANCE NOTE 8 (for Electronics Technicians)
Engineering Division
W/OS0321:FLP

R/ACU Card Cage Defect

General

1. This note informs electronics technicians of a board being stocked at NLSC that will correct card cage distortion in the R/ACU chassis.
2. Effect on Other Instructions: None.

Procedure

A design deficiency exists that allows the internal card cage in the R/ACU to become distorted after repeated printed circuit board removal and installation. When the card cage becomes distorted, the printed circuit boards do not seat correctly, which results in increased equipment failures.

A board has been designed to correct the card cage distortion. It is the exact width that the card cage should be and consists of a turnbuckle and two fingers that catch the sides of the cage. The board is simply inserted in place of the extender board in slot A11 in the card cage, and the turnbuckle is tightened. As the turnbuckle is tightened, the sides of the card cage will be pulled back to the proper width. This will help ensure proper printed circuit board support.

The following precautions should be used when installing the board in the card cage.

- a. As the turnbuckle is tightened, ensure that both fingers catch the side of the card cage.
- b. Do not overtighten. The turnbuckle should need to be only hand-tightened. If additional tightening is required, a wrench can be gently used. Use extreme caution not to come in contact with any electrical power.

The installation of the board is on an as-needed basis and is determined by card cage condition. If a chassis requires an internal card cage board and the chassis is returned to NRC, the internal card cage board should be returned with the unit.

The board is stocked at NLSC under WSN J170-1A3A1A1A17, NSN 5999-00-000-4444-X.



for

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